

ANCHORAGE ARC

ANCHORAGE AMATEUR RADIO CLUB, INC.

P. O. BOX 1987 * ANCHORAGE, ALASKA 99510

344-2835

AUGUST 1980

CALENDAR:

- August 1 Monthly General Club Meeting- U of A, Consortium Library, 7 p.m.
2 & 3 Resurrection Pass Trail Marathon-Call Dave KL7FO for details-243-8735
12 PARKA-Monthly meeting-Grandview Gardens Library, 7 p.m.
15 Potluck Picnic - place and time to be announced at the August 1 meeting
20 Board of Directors meeting-7 p.m. place to be announced
Sept 6 ACC Arts Fair - Art KL7FS and Dan KL7ICP co-chairmen

UP COMING EVENTS-----

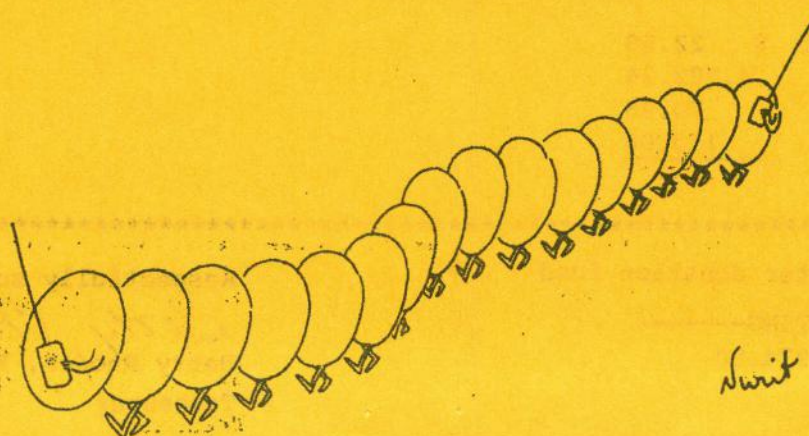
Resurrection Pass Marathon-if you would like to hike into a spot with a 2 Meter rig and set up as a check point contact Dave Zugsberger, KL7FO, 243-8735. As of the board meeting nothing definite had been arranged but plans were in the making.

Jerry Lewis Muscular Dystrophy Telethon-Labor Day-Dave Lawrence, KL7HAB, is handling the arrangements for Hams to man the telephones, call him for hours and info - 333-4211

Anchorage Community College Arts Fair- September 6-Co-chairmen, Art Chase, KL7FS 243-4397 and Dan Rogers, KL7ICP 344-0243(After Aug 1, 345-1012). This is an annual event that Mary Hale of ACC says cannot be put on without the help of the AARC for communications throughout the campus. Roving communicators will be needed. If you can spare a few hours but don't have a handi-talkie--don't worry--a rig will be provided. Volunteers will be needed to roam the campus as well as man the booth where we have a base station set up and all of the display items on Amateur Radio.

FLEA MARKET - September 27 & 28 - The place has not been decided on yet- we will definitely have all sorts of announcements and a special mail-out as soon as it is set up. SAVE YOUR GOODIES--don't throw anything out until after the Flea Market- remember your trash is someone else's treasure. The drawing for the Raffle will be held on the afternoon of the 28th (Sunday) BUY RAFFLE TICKETS-SELL RAFFLE TICKETS-only 2500 printed; \$2 each or 3 for \$5: First Prize \$1000

Co-chairmen, Wilse Morgan, KL7CQ 345-1061(after Aug 1)
Dave Zugsberger. KL7FO 243-8735



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FINANCIAL REPORT -ANCHORAGE AMATEUR RADIO CLUB, INC.- JAN 1 - JUNE 30 1980

Balance forward 1/1/80:

Checking Acct.	\$2,677.99	
Savings Acct	3,896.40	
Repeater Fund	316.45	
Raffle Acct.	755.96	
		Totals. . . \$7,646.80

INCOME 1/1/80-6/30/80:

Membership dues	1,173.50	
ARRL commisssion	19.50	
Savings Account Interest	139.88	
Repeater Fund Donations	154.50	
Belt Buckles -Sales	42.00	
Newsletter Ad/Postage due	26.26	
Club Patch sales	36.00	
Club Name Tage sales	3.50	
Donation-general fund	10.00	
Total Income.	\$1,605.14	\$9,251.94

EXPENSES 1/1/80-6/30/80:

Activities- Awards, Rondy, Mothers Day, Run for S.O.M.E.		
Iditarod, Social, Field Day, Ham of Year	\$ 788.01	
Donations- Iditarod, Run for S.O.M.E., Little League,		
Personal Communications Foundation	479.00	
Equipment Purchases - Autopatch Controller	1,200.00	
* 01/82 Stationmaster Antenna, repeater & parts	300.00	
* Retube UHF repeater and repair	100.00	
Video tape-Wonderful World of Ham Radio	35.00	
Hospitality - Memorial donations, flowers, cards	27.49	
Insurance-Liability and audit	234.00	
Newsletter - Printing and postage	753.64	
Printing - ballots for elections	10.70	
P. O. Box rent-1 year	40.00	
Telephone - regular and Iditarod hookup	247.82	
ARRL patches	19.00	
"Life Member" patches	15.00	
Repeater Site Rental-Stuckagain Heights 01/82	120.00	
Miscellaneous-		
Space rental for club equipment	90.00	
Membership supplies	25.00	
Raffle Ticket printing	181.50	
TOTAL EXPENSES	\$4,666.16	
ENDING BALANCE	\$4,585.78	

BALANCES - CASH ON HAND 6/30/80:

Checking Account	\$ 22.59	
Savings Account	4,382.24	
Repeater Fund	70.95	
Raffle Account	110.00	
		\$4,585.78

* indicates from repeater donation fund

NOT INCLUDED IN ACCOUNTING-----

BINGO PROCEEDS \$974.00

Respectfully submitted,

Betty Rhodes
Betty Rhodes, KL7AP

Treasurer

EL SUPREMO'S INAUGURAL MESSAGE TO HIS FLOCK

It is now sometime late in the morning following probably the best social this club has ever thrown--Wilse, Betty, Cathi, Jim, J.D. and Tanya, and everyone else involved with planning, are to be commended for their efforts in ramrodding the event. Tom and Mary will be truly missed and I know I speak for the entire club in wishing them Godspeed and much success at their new assignment.

I have presided over one meeting of the general membership and one of the board--and I know now why Fred has that silly smile on his face-- We've got a great club here thanks to the efforts of a lot of people, and we're still growing. I hope that I can continue in Fred's place to help AARC remain one of the foremost clubs in the world of amateur radio. The members of your board of directors are all hard-working people dedicated to ham radio, but they can't do it all alone. We need your input--this is your club-- it goes in the direction you want it to-- so be vocal with your ideas. If you have a pet project or program you would like to see the club involved in, bring it up at the monthly meeting or attend a board meeting or call a board member or officer of the club. I will be as available as I can be. Call at any reasonable time if you have a question or a suggestion and we will try to work it out.

We are getting into the busy time of the year again and we need all the help we can get to make the monthly club activities successful. You don't have to participate in everything--find something that interests you--roll up your sleeves and dive in, even if it's only for a short while.

Thank you for your support in advance and I'm looking forward to the next year helping to keep our club as active and as fun as it has been in the past.

73,

Chip, KL7IUI
El Presidente

ED NOTE: Chip got left off of the new roster--his home phone is 333-5713

HAM WANT ADS

FOR SALE --- NOTHING

WANT TO BUY -- NOTHING

Guess everyone has A. bought everything outside while on vacation this summer

B. no money left after vacation

C. everything he could possibly want in the way of ham gear

D. DECIDED TO SAVE ALL THE GEAR FOR THE SEPTEMBER FLEA MARKET

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ODD CHIRPS AND KEYCLICKS*****

IF YOU READ THE ABOVE MEMO FROM OUR NEW PRESIDENT YOU WILL PROBABLY NOTICE HIS OFFICIAL TITLES--NO ONE EVER SAID HAM RADIO HAD TO BE STUFFY AND DULL--HOWEVER, HE ALSO HAS ANOTHER LITTLE DITTY ATTACHED AS OF THE EVENING OF THE FAREWELL SOCIAL FOR TOM & MARY --EL STUPIDO--HAVE YOU EVER LOCKED YOUR KEYS IN THE CAR?? WELL HE MANAGED TO ALSO, BUT NOT IN THE USUAL PLACE--THE IGNITION, NO, HE LEFT THEM IN THE BACK SEAT AND HAS THE MISFORTUNE TO HAVE A BURGLER-PROOF CAR. AFTER AN HOUR OF TRYING WITH A FEW HECKLERS IN THE BACKGROUND HE DID GET THEM OUT WHILE TOM, KL7Q, GOT A FEW SNAPS FOR PROOF--GREAT WAY TO END A PARTY AT 2 AM IN BASE HOUSING ON ELMENDORF.

ANCHORAGE AMATEUR RADIO CLUB

General Meeting

11 July 1980

Attendance: 74

The meeting was called to order at 7:25 p.m. by the President, Chip Lewis, KL7IUI, and introductions were held.

It was announced that because of errors in the computer printout, the new Club roster will be redone and mailed to members next month.

Members were asked to RSVP before the end of the meeting with respect to the Friday July 18th Social at MAC Chalet, EAFB.

The President reported that the Alaska Broadcasters Association, the State Public Broadcasting Corporation, and the Anchorage Amateur Radio Club have been meeting to discuss the possibility of moving the FCC Monitoring Station to a location out of town. Letters supporting the move are encouraged. A motion to support the effort to get the monitoring station moved out of Anchorage was passed unanimously.

The following upcoming events were announced, and volunteers and chairmen solicited:

July 24-27	Golf Tournament	Dave Goodyer, KL7JKC, Chairman
	Operators needed at each of two stations from 9 to 6, all days.	
Aug. 31 - Sept. 1	Muscular Dystrophy Telethon	Dave Lawrence, KL7HAB, Chairman
	Volunteers needed to answer phones from midnight to 6 a.m.	
Sept. 6-7	University Arts Fair	Art Chase, KL7FS, Dan Rogers, KL7ICP, Co-chairmen
Sept. 27-28	Flea Market	Wilse Morgan, KL7CQ, Dave Zugsberger, KL7FO, Co-Chairmen

Fred Wegmer, KL7HFM, announced that a new CW net for rag chew and traffic will be started on 40 meters (7.060) at 0430 Zulu daily starting Monday July 28. Net control will be managed by AI7R, Kenai.

Dave Lawrence, KL7HAB, announced that 490 of the 2500 raffle tickets remain to be sold by September 28.

Vicki Fuller, WL7AJV, announced that KL7HIX in Kodiak repairs radio equipment at a special price of \$30 per hour for hams.

Cathi Moody, WL7ABO, Activities Chairman, announced that future General Meeting program will include QSL Bureau operation (Dottie and John Bierman, KL7GNP), ALASCOM (Tom Jensen), and there will be an Iditarod social in October. In addition to the smaller door prizes at each meeting, a TV set will be raffled off in December, with raffle tickets at \$1.00.

Wilse Morgan, KL7CQ, conducted a Chinese auction which earned a total of \$193.

The meeting was adjourned.

Submitted by Marian Arlin, KL7IT
Secretary

ANCHORAGE AMATEUR RADIO CLUB

Board of Directors Meeting

16 July 1980

Present: Chip Lewis KL7IUI President
 Fred Wegmer KL7HFM Past President
 Herb Brasseur KL7JIG Vice President
 Marian Arlin KL7IT Secretary
 Dave Zugsberger KL7FO Treasurer
 Cathi Moody WL7ABO Activities Manager
 Bill Reiter KL7ITI Club Station Trustee

Board Members:
 John Bierman KL7GNP
 Dave Cloyd KL7M
 Lloyd Fuller KL7JGN
 Wilse Morgan KL7CQ
 Steve Norrell KL7IYX
 Betty Rhodes KL7AP
 Herb Rosenthal AL7G

Also Present: Vickie Fuller, WL7AJV, Membership Chairman; Martha (WL7AJS) and Dennis (KL7JHR) Ogren

The meeting was called to order at 7:25 by El Presidente, Chip Lewis, KL7IUI, at the home of Evelyn and Herb Brasseur, KL7JIG.

SECRETARY: Minutes of the last meeting were approved as read. Modifications noted since the last meeting were 1) substitution of Ken Lane, KL7HH, for Paul Bestry, KL7FI, on the Audit Committee, and 2) a temporary delay in shipment of the micro-controller autopatch.

TREASURER: The Treasurer presented the current financial report and read the statement prepared for the Audit Committee covering the period of January 1 through June 30, 1980. The report of the Audit Committee (Clyde Bloker, KL7IBY, Art Chase, KL7FS, and Ken Lane, KL7HH) on the records of the Secretary, Treasurer, and Membership Chairman was accepted as read. Financial reports and the findings and recommendations of the Committee are summarized elsewhere in this newsletter.

ACTIVITIES: Cathi Moody, WL7ABO, Activities Manager, reported on upcoming events including the July 18 social at MAC Chalet, and the July 24-27 Golf Tournament. Jack Twiggs, KL7HJZ, will be taking film footage of the Saturday morning golf tournament at EAFB. Dave Zugsberger, KL7FO, reported that although our offer of participation in the Resurrection Pass Trail Marathon August 2 had been received with interest, so far no definite request for 2-meter stations has been received. September events include the Muscular Dystrophy Telethon (Chairman needed), the Arts Fair, and the Flea Market. (See General Meeting minutes for details.)

Considerable discussion addressed the question of club socials -- whether they should be continued and in what form. Only a few persons have responded to the questionnaire in the July newsletter. It was decided to redistribute the questionnaires at the August club meeting and ask members to complete and return them the same evening.

Program content of the General Meetings was also discussed. It was suggested that the Social questionnaire be expanded to include an indication of the kinds of programs members prefer. The Board agreed with the suggestion that more time should be devoted to the technical aspects of amateur radio, and Herb Rosenthal, AL7G, was appointed to head up technical program planning for the Activities Committee.

A plan to occasionally add a larger prize such as a TV to the General Meeting giveaway program was discussed. Door prizes are presently purchased with monies collected the previous month. It was suggested that the variety of door prizes be expanded to include such things as food, gift certificates, soda pop, etc. The Board agreed that the amount spent each month should be budgeted specifically for that purpose and that as extra money accumulates, it could be used to purchase a larger prize.

UHF/VHF: Dave Cloyd, KL7M, reported that the equipment has been purchased from Keith Kiehl, KL7IKK, as authorized at the last Board Meeting. The relocation of the 34/94 repeater to Denali Tower has been temporarily delayed.

Fred Wegmer, KL7HFM, observed that the UHF repeater at Site Summit is installed but not operating. He recommended that it be put on the air at minimum expense and then spend no further money on it. It was his opinion that a UHF repeater is a good idea but that the present machine is not worth further expense.

EXPENDITURES: (Authorized and Recommended) It was suggested that the antenna trailer presently available for \$2304, should be purchased with an offer of \$2000. The proposition will be brought up at the next General Meeting for Club approval.

A motion was passed authorizing Wilse Morgan, KL7CQ, to buy an elevation rotor for the AMSAT prize (OSCAR Shoulder Patch Design Contest).

At the recommendation of Betty Rhodes, KL7AP, the Board moved to purchase a Flesher Terminal Unit. Dennis Ogren, KL7JHR, volunteered to put it together. Betty also recommended that the club rent a storage locker to bring all club equipment together in one place when the present arrangement expires in December.

An additional \$35 was authorized to meet expenses of the July Social.

MISCELLANY: The President circulated a petition supporting the election of Mary Lewis, W7QGP, as ARRL representative at the forthcoming SEANARC convention.

Witse Morgan, KL7CQ, announced that a photograph of the balloon antenna party will appear on the cover of CQ Magazine and that a picture story will be featured in another issue.

The Board moved that the Secretary write a letter for the President's signature to the family of the ham who was killed in the Mt. St. Helens eruption, expressing the sympathy and appreciation of the Anchorage Club.

A permanent meeting place for the Board of Directors was recommended, with suggestions of Denny's and Grandview Gardens Library to be investigated.

The meeting was adjourned at 10:15 p.m.

Submitted by Marian Arlin, KL7IT
Secretary

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AI7R has announced the creation of an Alaskan Code Net. The New will meet daily on 7060 KHZ at 0430Z beginning 28 July 1980. As with all new nets, net control stations (NCS) are needed.

The NCS's will respond to the check-ins at their speed.

YA'LL Come



POWER LINE INTERFERENCE

1. Radio interference can result from numerous sources. Almost every conceivable home appliance can cause interference. Power lines delivering power to residential and commercial users are another major source of interference. This presentation will be limited to radio interference, causes and means of locating when caused by a power utility distribution system.
2. To understand sources of power line noise, it is necessary to know power line construction. Generally, power line construction consists of wood poles, conductors, insulators, transformers, guy wires, cross arms, and other hardware. It is important to realize the power line acts as a tuned circuit with a very complex antenna array. The distance between poles and number of lines, amount of transformers, taps on the lines, hardware attached, and so on make up the tuned circuit. Because of this, the line impedance is different at various locations. The impedance change causes standing waves and makes it extremely difficult to discern exactly the source of noise. To further complicate locating the noise, generally there are many wires on the same structure. The amount of noise on the wires depends on coupling to the noisy line. This noise can transfer from wire to wire. Once again, standing waves and impedance plays a critical role adding to the complexity of locating radio interference caused by power lines.
3. It has been observed that noise frequencies above 30 megahertz do not travel great distances along power lines. Nevertheless, noise can cover several miles, appear to be from many sources and yet be confined to only one originating point. It is also true that several sources of noise can be occurring on a single section of line. All power lines have some degree of noise. All noise generation originates from the 60 Hz source. The radio signal-to-noise ratio is an important factor as to how much the power line will cause interference.
4. There are several companies manufacturing interference locating devices. Some of this equipment is quite expensive. No one noise locating piece of equipment is all inclusive for all problems. With this in mind, equipment and test procedures will be described using available equipment. The simplest of equipment is a portable broadcast radio with a zero to one milliamp meter with series resistance connected across the voice coil of the receiver. Using the receiver as a measuring device, and driving several miles on each side of the interfering source will indicate some highs and lows in noise level. These highs and lows can be the result of standing waves. It is often a monumental task to determine which high is the actual interference source. Generally one location will be louder than the others. If the problem is related to loose hardware, nuts, bolts, cross arm braces, insulator pins, etc., a slight tap on the pole with a sledge hammer should change the loudness and sometimes the pitch of the noise. Care must be used not to strike the pole too severely because this can cause hardware changes to occur several spans away. Guy wires may be shaken to provide vibrations to disturb the noise generating elements.
5. As one gains experience in tapping poles to disturb the noise, several conclusions can be made. If the noise changes or stops, immediately you can make the assumption that the noise is on the pole you are striking. If there is a slight time delay between striking the pole and hearing a change in the noise or the noise stopping or starting, whichever the case may be, you may assume it may be one, two or three spans away. In fact, if you hit the pole too severely you can cause a disturbance many poles away and it can become quite confusing as to where the noise problem actually exists. To the uninitiated, beware of guy wires. They may be in contact with the power line or otherwise close enough to be a shock hazard. If the decision is made to use the guy wire to disturb the power lines, always look, then shake the guy wire with an insulated pole or hook. When it has been determined that the guy wire is free, safe and clear of any potential hazard it can then be disturbed. If the

POWER LINE INTERFERENCE CONTINUED

noise does not change after disturbing the guy wire and detection still makes the tester believe it might be on that pole, observe the installation practices used by the utility. All metallic parts must either be well bonded or at least two inches apart. Maintain two inch separation within the wood structure. Loose washers, nuts, bolts, etc., are great noise generators. Improper tie wires holding conductors to the insulators can be detrimental. Jumpers used to connect one string of insulators to another where slight mechanical load is evident is a source of noise which occurs between the ball and socket of the adjacent units.

6. The source of noise which is very difficult to detect and requires cooperation of the power company, is where two pieces of hardware are connected physically but not electrically. A case in point is where the Zinc plating of hardware and the sulfur dioxide in air react forming Zinc Sulfite. Zinc Sulfite becomes extremely hard and non-conducting. Tightening hardware may or may not bond the metallic pieces well enough to eliminate the noise.

7. In conclusion, the important thing to remember is that noise is broad-band in nature, is stronger in the lower frequency range and diminishes very rapidly in the VHF/UHF region. Peaks and valleys can be found as you tune through the frequency spectrum. Some care should be utilized as to what frequency relative readings are taken. The spark gap which causes radio interference may disappear during a hard rain and reappear during dry weather. This phenomenon is related to the spark gap which results from the close proximity of two potentials. During day weather the gap will arc, wet weather will cause the gap to be shorted out and no arc will occur. A power leak will occur but radio interference will not exist.

J. D. Delancy, KIZAT

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FOLLOW-UP REPORTS.....

FIELD DAY 1980-- What can we say about this?? Well it didn't exactly happen as a run-of-the-mill Field Day but those who did go can't say they did not have an unusual experience. The site was on top of the mountain behind Dan Rogers, KL7ICP's QTH. A couple of people managed to get the bottom of their cars very shiny from the rock polishing, one gets to have a transmission overhaul and one even got his motorscooter hauled into town so it wouldn't get lost in the mud. A few contacts were made such as the momentous first contact--KL7BB in Seattle--but it was par for the course with lower 48 beams pointed at each other and not at us. OH well--KL7ION did get the chance to go on the air with Lucy at the key for PARKA.

STATE GOLF TOURNAMENT--By the time this newsletter reaches everyone the tournament will be over. It will probably have gone smoothly as usual--lots of fun punching those green keys.

1980-1981 ROSTER-- A new roster will be sent out with the September newsletter. Never let it be said that a computer solved all problems. If you did not get a roster never fear--you probably will do ok with the old one for awhile. IF YOU DID GET A ROSTER AND THE INFORMATION ON YOU IS INCORRECT--CALL VICKIE, WL7AJV, 243-7391 DEADLINE FOR ROSTER INFORMATION WILL BE AUGUST 18.



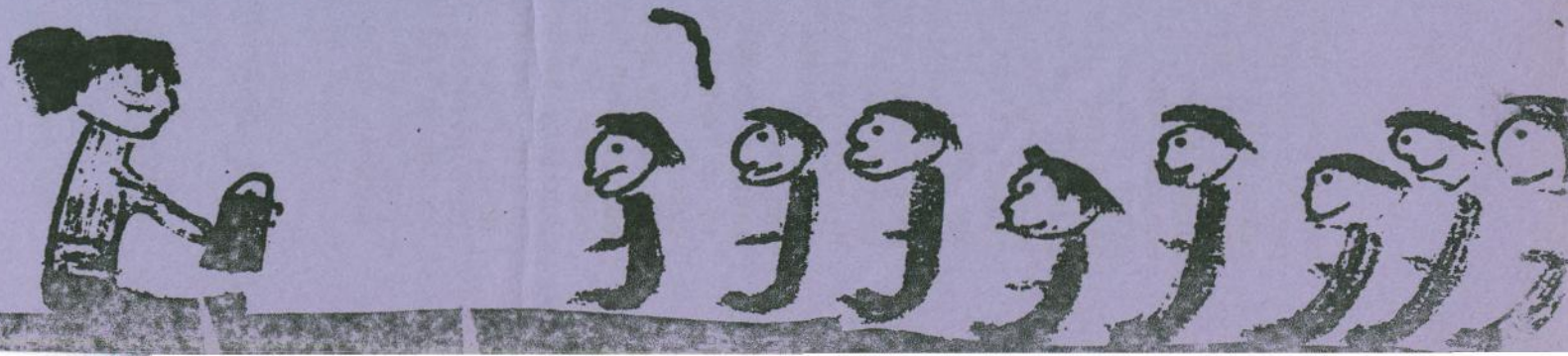
Thank A Lot

age eight
mindy Erickson

Ham raido

one day the libaryn called my mom and asked her if she would do a demo.
and she said sure. so june 26 my mom did a demo.at Chester Valley.
First she gave evryone a code sheet. Then she passed oaslator around.
Then she told us about the walkie talkies. And then we went to the mobile rig
and talked to norway and then we went home.

by Karl Olson



by K4NE Lew Sieck



HOW I SPENT MY SPRING VACATION

RUSS SCOTT, KL7EM

Here I am making a trip I don't know for sure if I'll enjoy or not. The Army Guard decided I needed to go to a 2 week school in Arizona. To make the most of the trip, I thought I'd never be as well prepared as I was, I'd just got my first hand-held (2M) a few months before (a Kenwood TR-2400). I looked around the shop and located a suitcase for a Collins KWM-2, but not have a Collins the next best thing was what I do have-a Swan Sygnet 270. Looking around for extra stuff, I found a Hy-Gain trapped tape doublet and a 60 ft chunk of RG-58. In addition to that a 100 ft. extension cord plus fixed up a DC power cable. Couldn't believe I could get all of that in the suitcase but did and it turned out to be heavier than all the other luggage combined.

The first phase of the trip was to stay up all Friday night and catch the "Red-Eye" special into Seattle. I asked the Air Alaska stewardess to ask the pilot for permission to use my TR-2400. As it turned out she didn't ask but said that she was sure the pilot wouldn't agree so I was not to turn it on because it might affect the navigational system on board. I didn't press the matter. Upon arrival in Seattle I scanned the channels and made contact with K7RS who knows Herb. I forgot to write down which Herb, so will the right one please stand up? Anyway, I also talked with N7AOU. Then it was time to board an Air West flight to Tucson by way of Salt Lake City and Phoenix. While in the air I asked the stewardess again for permission. This time the pilot said yes and if it interferes with the navigational aids he would ask me to turn it off. You talk about having a smile from ear to ear. I contacted WA7ANY at about 15,000 feet but couldn't maintain contact for long. I heard many stations while airborne but couldn't contact anybody even with the 8 C-cells for a booster power supply.

In Phoenix I talked with WB7ETR and got a complaint of poor deviation. I guess I was talking a little loud into the mike. I think it needs a slight adjustment anyway. I was in such a rush in Tucson that I couldn't talk with anyone.

I've been in Ft. Huachuca a week now. Fixed the Swan up in my room and outside my window strung the coax and put the doublet into a tree and tied it off to a bush. Due to the school, I couldn't do much operating but I was able to talk with WA5ONC and KL7AHB in Paris...Texas.

Would you believe I just got a letter under my door that gives an Army regulation that I needed permission to put up an antenna? After I talked with the proper people, I need to fill out two forms and have my antenna inspected by the Army Corp of Engineers. The next thing to do is to have my set tested for harmonics. Made an appointment, the Engineers can inspect my system in three weeks --well, so much for transmitting here.

I have been talking on 2 meters though. I got invited to the club meeting tomorrow night - let's see what happens. Sorry folks, I actually couldn't find the place. Spent an hour and a half, located a lot of other places I didn't know about but did not locate the meeting place.

Well people, I just finished my electronic course in H and hit Phoenix AZ on my way to Amarillo, Tex. Sitting in the airport at Phoenix I had a good conversation with Paul, W7WNC, Elden, W7KWA, Dale WB7EGK and Al WB4LLN. All of us in a round table QSO on 146.73. Everyone wished me a safe journey and Elden mentioned something about being nothing but barbed wire between Arizona and Alaska. Paul commented on the difference of temperatures. On the plane to Amarillo, I met a very nice lady named Belle Howe, she has some relatives in Anchorage- Joe & Mae Morgan.

I've been in Amarillo for a week now. Been having a good time. They have three repeaters here: 34/94, 99/39, and 07/67. I've talked with John Ellis AE4I and Al WB5PZV-ex call sign KL7AEC. Visited Scott McDowell - lost his call sign- his equipment is all HeathKit and RTTY with a nice looking beam. Hope I'll get to visit again next time in town.

I've left my Swan with my sister Judy. We've put together a couple of inverted "V"'s on a 40 ft mast above her trailer house. I made her a deal- get her technician ticket in 6 months and the radio is hers-if not she pays me the \$300 it cost for the radio. HI HI - Boy is she motivated now. I've got Wales' phone (W5VSJ) and he has been giving novice

I'm back home now and hope I can finish this before I forget. On 2 meters I talked to N5UN in Dallas and we talked about the good ole woodpecker. He operates on the low end of 20 meters. I couldn't do much listening from there on out except I did hear WB5BYL. Yes, I'm back. Now I have to settle down to my work schedule again- Uch.

Russ, KL7EM

[illegible]

QST DE W7UD - - THE VOLCANO ERUPTION OF MOUNT ST. HELENS IN WASHINGTON STATE HAS INVOLVED SEVERAL AMATEURS AND AT LEAST ONE OF OUR NUMBER PERISHED IN THE MAY 18 BIG ERUPTION. THIS STATION W7UD HAS VOLUNTEERED TO ASSIST IN RAISING FUNDS ON BEHELF OF THE RED CROSS AND THE SALVATION ARMY WHO ALSO DID AN OUTSTANDING JOB IMMEDIATELY FOLLOWING THE ERUPTION AND CONTINUES TO PROVIDE AID TO MAY WHO LOST THEIR HOMES AND POSSESSIONS IN THE RESULTING MUD FLOWS OF THE TOUTLE RIVER. IN APPRECIATION OF A DONATION IN ANY AMOUNT W7UD WILL SEND YOU A NEAT SOUVENIR PACKET OF THE VOLCANIC ASH WHICH WAS BLOWN OUT OF THE VOLCANO. CHECKS MAY BE MADE PAYABLE TO THE AMERICAN RED CROSS OR TO THE SALVATION ARMY AND SENT TO W7UD TO BE TABULATED AS A CONTRIBUTION OF CONCERNED AMATEURS AND THEIR FRIENDS ACROSS THE USA. YOU MAY EARN THE SOUVENIR PACKET OF MT ST. HELENS VOLCANO ASH AND POSSIBLE PUBLIC SERVICE CREDIT FOR HAM RADIO BY INVOLVING YOUR LOCAL CLUB OR REPEATER GROUP IN A FUND RAISING PROJECT OR PERSONAL DONATIONS. IF YOUR GROUP CONTRIBUTES, ADVISE NUMBER OF SOUVENIR PACKETS NEEDED SO THAT EACH PERSON MAY HAVE ONE. W7UD QTH IS OK IN ALL CALL BOOKS. DON'T FORGET TO SEND SASE. TNX AND 73 DE W7UD. QTH W7UD:

QTH W7UD:

HENRY PEROZZO

3637 W. GRANDVIEW

TACOMA, WASHINGTON 98466

This was received in the Club P. O. Box and is reprinted here in case you would like to pursue the project.

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465
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CQ CQ CQ CQ CQ

Remember the balloon antenna party at Wilse, KL7CQ's QTH last summer??

Look for the September issue of CQ Magazine - the balloon and Telrex antenna will be on the cover!!!

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LAST MINUTE WANT AD

FOR SALE OR TRADE

HW 104 Broad-Band 80-10 meters Will swap for
a 2 Meter synthesized hand held
CALL MIKE, KL7X 338-0398 evenings

PARKA

FOR ALL WHO ATTENDED THE JULY 18 SOCIAL AT MAC CHALET FOR TOM & MARY
YOU WERE EATING BRISKET PREPARED BY J.D. DELANCY, K1ZAT USING HIS
FAMOUS RECEIPE WHICH TANYA, WAI RVG HAS PASSED ALONG TO US.

1 can Cream of mushroom soup
1 can Cream of celery soup
1 can Cream of cheddar cheese soup
1 can Cream of onion soup
1 can Beef consomme
1 pound of margarine

Divide into 5 to 6 freezer containers and freeze. When ready to use, put one container contents in saucepan and add enough water to make it baste on meat easily.

[illegible]

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